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Amendments to the claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of claims:

Claim 1 (currently amended): A lead frame comprising:

a die pad having a top surface for mounting at least one semiconductor chip thereon, and a bottom surface;

at least onea plurality of grounding portions protruded from the die pad and formed on at least a side of the die pad, each of the grounding portions having a grounding surface, wherein the thickness of the grounding portions is smaller than that of the die pad, and a ground pad is formed on the grounding surface of each of the grounding portions, allowing at least onea plurality of grounding wires to be respectively bonded to the ground pads of the grounding portions and the semiconductor chip for transmitting ground signals; and

a plurality of leads surrounding the die pad, for allowing a set of bonding wires to be bonded to the leads and the semiconductor chip so as to electrically connect the semiconductor chip to the leads.

Claim 2 (original): The lead frame of claim 1, wherein the grounding surface is lower in elevation than the top surface of the die pad.

Claim 3 (original): The lead frame of claim 1, wherein the grounding surface is flush with the top surface of the die pad.

Claim 4 (original): The lead frame of claim 1, wherein the thickness of the grounding portion is half of the thickness of the die pad.

Claim 5 (original): The lead frame of claim 1, wherein the lead frame is made of copper or copper alloy.

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Claim 6 (original): The lead frame of claim 1, wherein the leads are higher in elevation than the die pad.

Claim 7 (original): The lead frame of claim 1, further comprising a plurality of tie bars connected to the die pad.

Claim 8 (original): The lead frame of claim 1, wherein the lead frame is used in a quad flat package (QFP) or quad flat non-leaded (QFN) package.

Claim 9 (currently amended): A semiconductor package, comprising:

- at least one semiconductor chip;
- a lead frame for carrying the semiconductor chip, comprising:
- a dic pad having a top surface and a bottom surface, with the semiconductor chip mounted on the top surface;

least a side of the die pad, and each of the grounding portions having a grounding surface and a bottom surface opposed to the grounding surface, wherein the thickness of the grounding portions is smaller than that of the die pad, and a ground pad is formed on the grounding surface of each of the grounding portions, allowing at least one plurality of grounding wires to be respectively bonded to the ground pads of the grounding portions and the semiconductor chip for transmitting ground signals; and

a plurality of leads bonded with a set of bonding wires that are connected to the semiconductor chip so as to electrically connect the semiconductor chip to the leads via the set of bonding wires; and

an encapsulation body for encapsulating the semiconductor chip, the die pad, the grounding portions and part of the leads.

Claim 10 (original): The semiconductor package of claim 9, wherein the grounding surface is lower in elevation than the top surface of the die pad.

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Claim 11 (original): The semiconductor package of claim 9, wherein the grounding surface is flush with the top surface of the dic pad.

Claim 12 (original): The semiconductor package of claim 9, wherein the thickness of the grounding portion is half of the thickness of the die pad.

Claim 13 (original): The semiconductor package of claim 9, wherein a height difference is formed between the dic pad and the leads.

Claim 14 (original): The semiconductor package of claim 13, wherein the leads are higher in clevation than the die pad.

Claim 15 (original): The semiconductor package of claim 9, wherein the lead frame further comprises a plurality of tic bars connected to the die pad.

Claim 16 (original): The semiconductor package of claim 9, wherein the bottom surface of the die pad is exposed from the encapsulation body.

Claim 17 (original): The semiconductor package of claim 9, wherein the bottom surface of the die pad and the bottom surface of the grounding portion are exposed from the encapsulation body.

Claim 18 (original): The semiconductor package of claim 9, wherein the semiconductor chip is attached to the dic pad via an adhesive.

Claim 19 (original): The semiconductor package of claim 18, wherein the adhesive is a silver paste or polyimide tape.

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Claim 20 (original): The semiconductor package of claim 9, wherein the semiconductor package is a quad flat package (QFP) or quad flat non-leaded (QFN) package.